

Figure 1. Fragmentation of cRNA with Ribonuclease III and Nuclease S1. Lane 1: RNA molecular weight marker, lane 2: unfragmented cRNA, lane 3: cRNA+RNase III, lane 4: cRNA+Nuclease S1, lane 5: cRNA+RNaseIII in ligation buffer, lane 6: cRNA+RNaseIII and Nuclease S1.

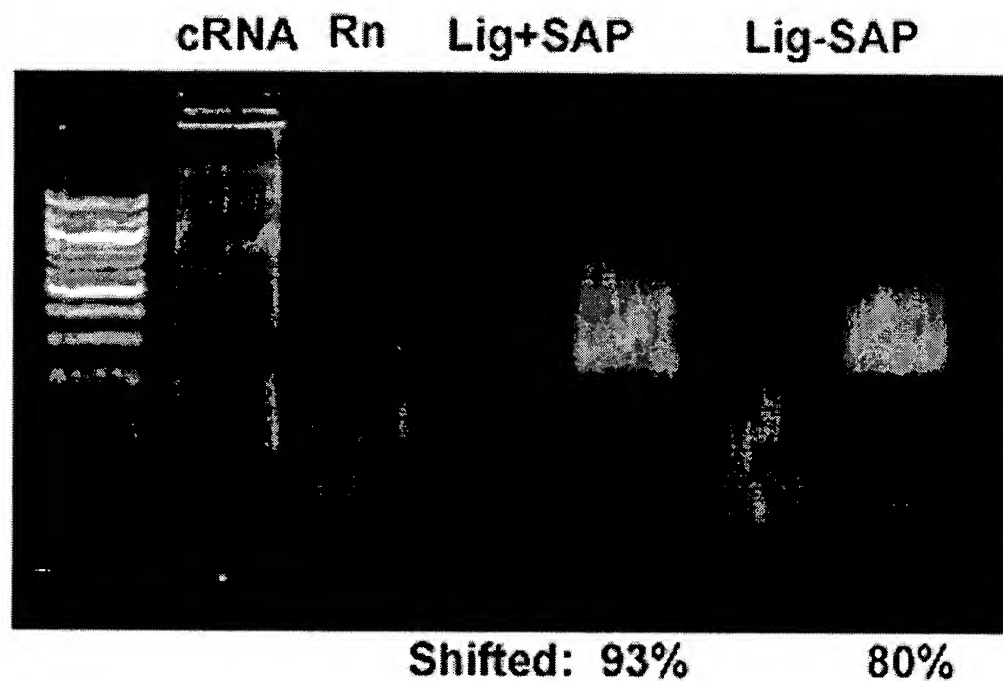


Figure 2: Gel-shift of RNase fragmented cRNA. Lane cRNA: unfragmented cRNA, lane RN: RNase fragmented cRNA, lanes Lig+SAP: RNase fragmented cRNA dephosphorylated with SAP, unshifted and shifted with streptavidin, lane Lig-SAP: RNase fragmented cRNA, unshifted and shifted with streptavidin.



Rn30' Mg35'

Figure 3. Digested cRNA for application to DNA microarrays. RNase fragmented and magnesium fragmented.

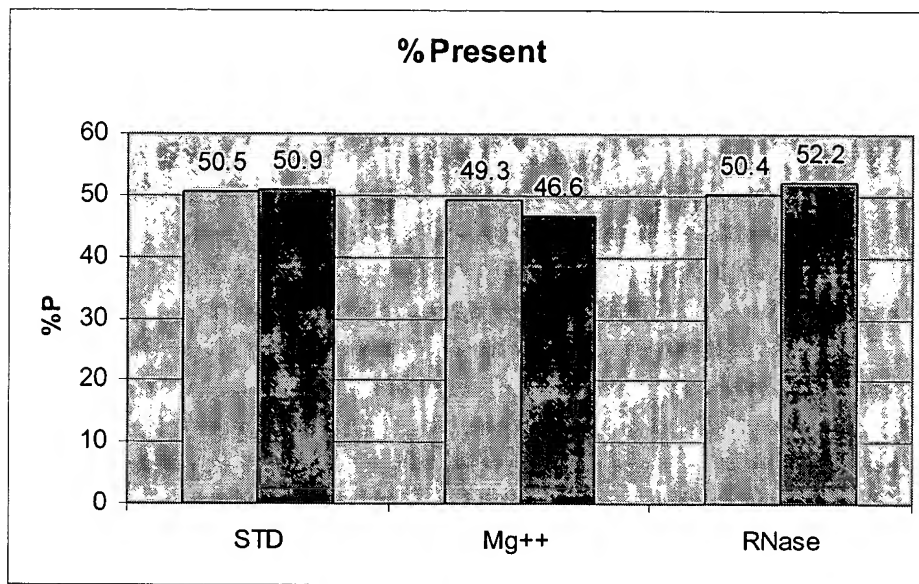


Figure 4. Absolute calls of internally-labeled cRNA (STD) and end-labeled cRNA fragmented by magnesium hydrolysis (Mg++) and RNase III.

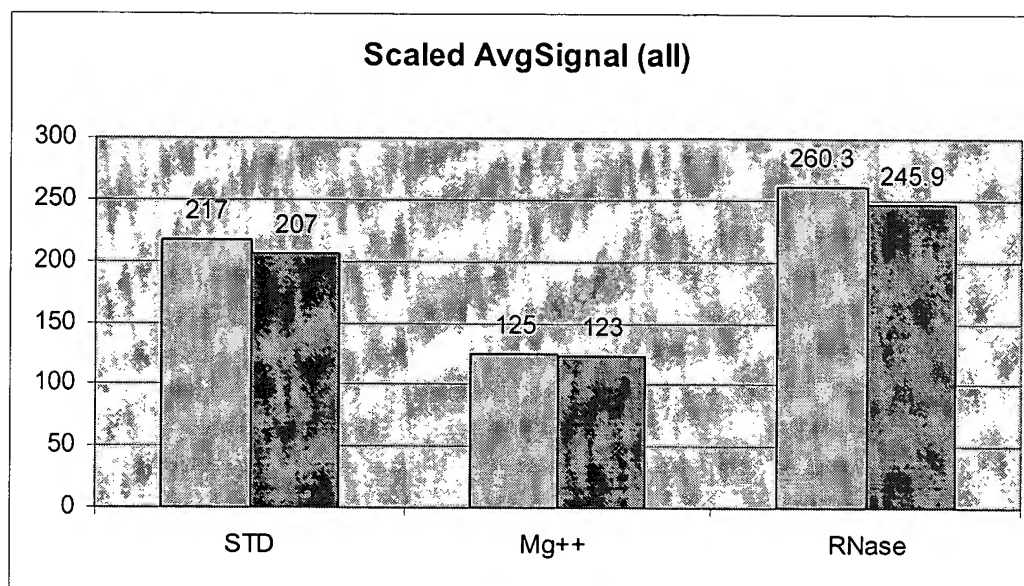


Figure 5. Scaled average signal of internally-labeled cRNA (STD) and end-labeled cRNA fragmented by magnesium hydrolysis (Mg++) and RNase III.